

## **Calscience**



# WORK ORDER NUMBER: 14-11-2194

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**Analytical Report For** 

Client: Malibu Unites

**Client Project Name:** JC Office

**Attention:** Jennifer deNicola

22741 Pacific Coast Hwy, Suite 401

Malibu, CA 90265-5876

Approved for release on 12/05/2014 by: Don Burley

Project Manager



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#### **Work Order Narrative**

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#### **Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 11/28/14. They were assigned to Work Order 14-11-2194.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

#### **Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

#### **Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

#### **Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New\_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

#### **Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

11/28/14 09:20



### **Sample Summary**

Client: Malibu Unites Work Order: 14-11-2194
22741 Pacific Coast Hwy, Suite 401 Project Name: JC Office
Malibu, CA 90265-5876 PO Number:

Date/Time

Received:
Number of 1

Containers:

Attn: Jennifer deNicola

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
JC Office	14-11-2194-1	11/20/14 16:00	1	Solid





## **Detections Summary**

Client: Malibu Unites

Work Order:

14-11-2194

22741 Pacific Coast Hwy, Suite 401

Project Name: Received:

JC Office

Malibu, CA 90265-5876

11/28/14

Attn: Jennifer deNicola

Page 1 of 1

Client SampleID Analyte	Result	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	Extraction
JC Office (14-11-2194-1) Aroclor-1254	710		260	mg/kg	EPA 8082	EPA 3550B

Subcontracted analyses, if any, are not included in this summary.



### **Analytical Report**

Malibu Unites 22741 Pacific Coast Hwy, Suite 401 Malibu, CA 90265-5876 Date Received: Work Order: Preparation: Method:

Units:

11/28/14 14-11-2194 EPA 3550B EPA 8082

mg/kg

Project: JC Office

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
JC Office	14-11-2194-1-A	11/20/14 16:00	Solid	GC 31	12/02/14	12/05/14 13:40	141202L06
Parameter		<u>Result</u>		<u>RL</u>	<u>DF</u>	Qua	<u>lifiers</u>
Aroclor-1016		ND		260	100		
Aroclor-1221		ND		260	100		
Aroclor-1232		ND		260	100		
Aroclor-1242		ND		260	100		
Aroclor-1248		ND		260	100		
Aroclor-1254		710		260	100		
Aroclor-1260		ND		260	100		
Aroclor-1262		ND		260	100		
Surrogate		Rec. (%)		Control Limits	<u>Qualifiers</u>		
Decachlorobiphenyl		120		24-168			
2,4,5,6-Tetrachloro-m-Xylene		89		25-145			

Method Blank	099-12-535-2968	N/A	Solid	GC 58	12/02/14	12/05/14 10:53	141202L06
<u>Parameter</u>		Result		<u>RL</u>	<u>DF</u>	<u>Qu</u>	<u>ialifiers</u>
Aroclor-1016		ND		0.050	1.00		
Aroclor-1221		ND		0.050	1.00		
Aroclor-1232		ND		0.050	1.00		
Aroclor-1242		ND		0.050	1.00		
Aroclor-1248		ND		0.050	1.00		
Aroclor-1254		ND		0.050	1.00		
Aroclor-1260		ND		0.050	1.00		
Aroclor-1262		ND		0.050	1.00		
<u>Surrogate</u>		Rec. (%)		Control Limits	<b>Qualifiers</b>		
Decachlorobiphenyl		87		24-168			
2,4,5,6-Tetrachloro-m-Xylene		84		25-145			

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## **Quality Control - LCS/LCSD**

 Malibu Unites
 Date Received:
 11/28/14

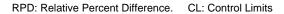
 22741 Pacific Coast Hwy, Suite 401
 Work Order:
 14-11-2194

 Malibu, CA 90265-5876
 Preparation:
 EPA 3550B

 Method:
 EPA 8082

Project: JC Office Page 1 of 1

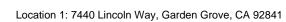
Quality Control Sample ID	Туре	Mat	rix	Instrument	Date Pre	pared Date	Analyzed	LCS/LCSD B	atch Number
099-12-535-2968	LCS	Sol	id	GC 58	12/02/14	12/0	5/14 10:17	141202L06	
099-12-535-2968	LCSD	Sol	id	GC 58	12/02/14	12/0	5/14 10:35	141202L06	
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	<u>RPD</u>	RPD CL	Qualifiers
Aroclor-1016	0.1000	0.09831	98	0.09121	91	50-135	7	0-20	
Aroclor-1260	0.1000	0.1011	101	0.09159	92	50-135	10	0-25	





## **Sample Analysis Summary Report**

Work Order: 14-11-2194				Page 1 of 1
<u>Method</u>	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8082	EPA 3550B	669	GC 31	1





#### **Glossary of Terms and Qualifiers**

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
В	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
Е	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike

- concentration by a factor of four or greater.

  SG The sample extract was subjected to Silica Gel treatment prior to analysis.
- X % Recovery and/or RPD out-of-range.
- Z Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



From: (310) 848-5400 Jennifer deNicola

Origin ID: CIBA

22741 Pacific Coast Hwy. Suite

Malibu, CA 90265

**BILL SENDER** 

SHIP TO: (714) 895-5494 Don Burley Eurofins 7440 Lincoln Way

**GARDEN GROVE, CA 92841** 

Ship Date: 25NOV14 ActWat: 1.0 LB

CAD: 107061989/INET3550

Delivery Address Bar Code



Ref# Invoice # P0#

Dept#

RELEASE#: 3785346

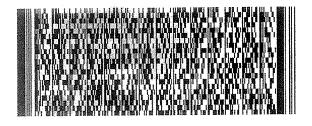
FRI - 28 NOV 10:30A **MORNING 2DAY** 

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Calscience

WORK ORDER #: 14-11-2 1 9 4

# SAMPLE RECEIPT FORM

Envelope -Cooler / of /

	826	"/28lig"						
CLIENT: Malibu Unites	DATE: _	11/28/14						
TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not froz		, pri						
Temperature $21 \cdot 9^{\circ}C \cdot 0.2^{\circ}C$ (CF) = $21 \cdot 7^{\circ}C$	☐ Blank	Sample						
☐ Sample(s) outside temperature criteria (PM/APM contacted by:)	☐ Sample(s) outside temperature criteria (PM/APM contacted by:)							
☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.								
☐ Received at ambient temperature, placed on ice for transport by 0	Courier.							
Ambient Temperature: 🗆 Air 🗆 Filter		Checked by: 836						
CUSTODY SEALS INTACT:								
□ Cooler □ □ □ No (Not Intact) ☑ Not Preser □ Sample □ □ No (Not Intact) ☑ Not Preser	nt 🗆 N/A	Checked by:						
□ Sample □ □ No (Not Intact) ☑ Not Preser	nt	Checked by: 3w						
SAMPLE CONDITION:	Yes	No N/A						

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples			
COC document(s) received complete	🗆	8	
☐ Collection date/time, matrix, and/or # of containers logged in based on sample	e labels.		
☐ No analysis requested. ☑ Not relinquished. ☐ No date/time relinquishe	d.		
Sampler's name indicated on COC			
Sample container label(s) consistent with COC			
Sample container(s) intact and good condition	Approximate the second		
Proper containers and sufficient volume for analyses requested		A CONTRACTOR OF THE PARTY OF TH	
Analyses received within holding time			
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen			A
Proper preservation noted on COC or sample container			2
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	🗆		
Tedlar bag(s) free of condensation	🗆		9
CONTAINER TYPE:			
Solid: □4ozCGJ □8ozCGJ □16ozCGJ □Sleeve () □E	inCores <sup>®</sup> □Terra	₃Cores® Ǿ	<u>Z</u>
Aqueous: □VOA □VOAh □VOAna₂ □125AGB □125AGBh □125	SAGB <b>p</b> □1AGB	□1AGB <b>na</b> ₂	□1AGBs
□500AGB □500AGJ □500AGJs □250AGB □250CGB □250	CGBs □1PB	□1PBna [	⊒500PB
□250PB □250PBn □125PB □125PB <b>z</b> nna □100PJ □100PJna	l <sub>2</sub>		]
Air: ☐Tedlar® ☐Canister Other: ☐ Trip Blank Lot#: Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Ba	g E: Envelope I	Reviewed by	1: - 3/6
Preservative: h: HCL n: HNO <sub>3</sub> na <sub>2</sub> :Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> na: NaOH p: H <sub>3</sub> PO <sub>4</sub> s: H <sub>2</sub> SO <sub>4</sub> u: Ultra-pure znna: 2	LIAC2+NaOH I; Fillered	Juanneu D	y ·